WHAT IS CLAIMED IS:

1. A fan rotor comprising a disk having a rim with a plurality of substantially axial grooves that are regularly spaced apart angularly, a plurality of removable blades extending radially outwards from the periphery of said disk, each blade having a blade root received in a respective groove, a downstream flange plate secured to said disk with the downstream faces of the blade roots being in abutment thereagainst, and a removable upstream flange plate secured to said disk for the purpose of retaining the blade roots in the grooves, wherein the upstream flange plate is fitted on its downstream face with resilient means for exerting sufficient force on the upstream faces of the blade roots, after assembly, to prevent any axial displacement of the blades during normal operation of the engine.

2. A fan rotor according to claim 1, wherein resilient means specific to each blade root are provided.

3. A fan rotor according to claim 2, wherein the resilient means specific to each blade root are constituted by an elastomer peg retained in an orifice formed in the upstream flange plate.

4. A fan rotor according to claim 1, further comprising a spacer interposed between each blade root and the bottom of the corresponding groove, the spacer having a radially-extending lug bearing against the upstream face of said blade root, and wherein the resilient means bear against said lugs.